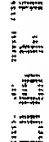
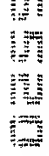
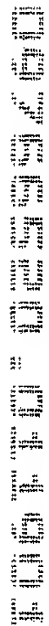


| Parameter | Value | Unit |
|-------------------|-------|-------|
| Temperature | 25.0 | °C |
| Pressure | 1.013 | bar |
| Humidity | 50.0 | % |
| Flow rate | 1.0 | L/min |
| Concentration | 0.1 | g/L |
| pH | 7.0 | |
| Time | 10.0 | min |
| Distance | 10.0 | cm |
| Volume | 10.0 | ml |
| Mass | 10.0 | g |
| Energy | 10.0 | J |
| Power | 10.0 | W |
| Frequency | 10.0 | Hz |
| Wavelength | 10.0 | nm |
| Amplitude | 10.0 | V |
| Current | 10.0 | A |
| Voltage | 10.0 | V |
| Resistance | 10.0 | Ω |
| Capacitance | 10.0 | F |
| Inductance | 10.0 | H |
| Impedance | 10.0 | Ω |
| Phase angle | 10.0 | ° |
| Power factor | 10.0 | |
| Efficiency | 10.0 | % |
| Loss | 10.0 | W |
| Gain | 10.0 | dB |
| Attenuation | 10.0 | dB |
| Reflection | 10.0 | % |
| Transmission | 10.0 | % |
| Scattering | 10.0 | % |
| Absorption | 10.0 | % |
| Emission | 10.0 | % |
| Conversion | 10.0 | % |
| Yield | 10.0 | % |
| Purity | 10.0 | % |
| Quality | 10.0 | % |
| Reliability | 10.0 | % |
| Stability | 10.0 | % |
| Repeatability | 10.0 | % |
| Accuracy | 10.0 | % |
| Precision | 10.0 | % |
| Resolution | 10.0 | % |
| Sensitivity | 10.0 | % |
| Specificity | 10.0 | % |
| Robustness | 10.0 | % |
| Flexibility | 10.0 | % |
| Adaptability | 10.0 | % |
| Scalability | 10.0 | % |
| Interoperability | 10.0 | % |
| Compatibility | 10.0 | % |
| Integration | 10.0 | % |
| Modularity | 10.0 | % |
| Extensibility | 10.0 | % |
| Upgradeability | 10.0 | % |
| Customizability | 10.0 | % |
| Configurability | 10.0 | % |
| Reconfigurability | 10.0 | % |
| Flexibility | 10.0 | % |
| Adaptability | 10.0 | % |
| Scalability | 10.0 | % |
| Interoperability | 10.0 | % |
| Compatibility | 10.0 | % |
| Integration | 10.0 | % |
| Modularity | 10.0 | % |
| Extensibility | 10.0 | % |
| Upgradeability | 10.0 | % |
| Customizability | 10.0 | % |
| Configurability | 10.0 | % |
| Reconfigurability | 10.0 | % |

5



10

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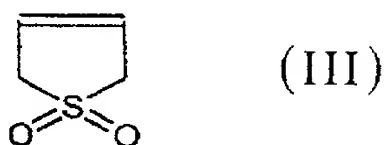
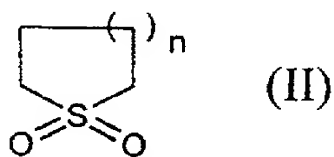
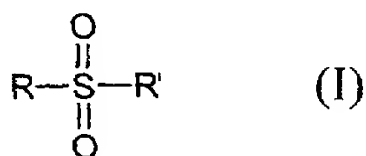
group consisting of methyl sulfone, vinyl sulfone, phenyl sulfone, 4-fluorophenyl sulfone, benzyl sulfone, tetramethylene sulfone, and butadiene sulfone.

4. The electrolyte for a lithium secondary battery according to claim 1, wherein the amount of the sulfone based organic compound is 0.1 to 10 weight%.

5. A lithium secondary battery comprising:
an electrolyte comprising a non-aqueous organic solvent and a sulfone based organic compound selected from the group consisting of a compound represented as in the following Formulae (I), (II), or (III), and a mixture thereof;

a positive electrode including lithium-transition metal oxides as a positive active material; and

a negative electrode including carbon, carbon composite, lithium metal, or lithium alloy as a negative active material:



where R and R' are independently selected from the group consisting

of a primary, secondary, or tertiary alkyl group, alkenyl group, and aryl group;
and a substituted primary, secondary, or tertiary alkyl group, alkenyl group, and
aryl group, and n is from 0 to 3.